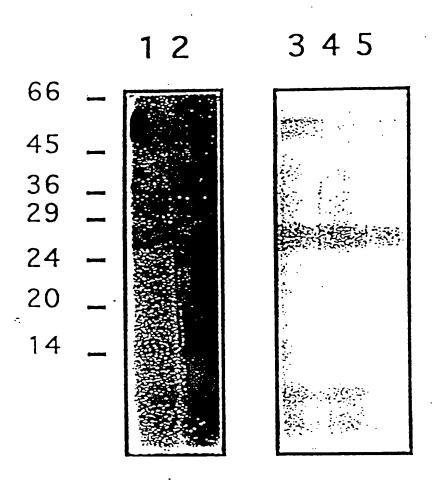


F16.1



F16. 2

TITITITITITITITITECCAIITITITITITICALATICCIAAAAICCAAAITCACIIIT 60 106 ATG ATG AAA TTA TTA TTG ATT GCT GCC TTACCAL ATG ATG

AS supit

151 Ti-r Grr Phe Val GCT SCA 2.1a \$ TAT GAT GET CCE ATT CAC \S TCG GIT Val ည Ala

196 GAA Glu JCC Ser GA. AAA. Lys ACC GAA ATC Ile ATT Lys GCA ASp GCT GTC $\Im x$ His GCC GAA Glu Asp Pro Ile Asp GAT Val GTT Ala CCT Ala Ser 1.V.S AAC Asn ATT ile

241 GAT AAA TTC Phe Lys Asp TCT Ser CAT His GAT Asp CCC GTA AAG Lys CCA ATG Met Pro ASD GAT TTC Phe ACA Thr ßlu GAA

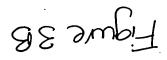
286 GLA TTA GAC ATG Glu Leu Asp Met हुन् इ A. A. Lys TTA Asp GAT ATC ATC Ile GGT ATT CAT CGA Arg CAA

331 GGTGly GTA Val CGI Arg Lys ATIS AAA Met CAP AAA Lys TTA Leu GGA Gly CGA Arg GTT Val Ile Gln ATTICAA A.C. Asn CGA Arg

376 333 Leu CAT His GCT Ala A. Lys GIC Val GIT Val GGT G1yGAT Asp Glu GAA Ser AAA AGT Lys GTGVal Asn AAT Ala Ç ASp GAT

421 TTA Leu GAT Asp Tyr TAT Char. Clu ATG Met TCA SIT Val Grr Val GAC Asp GAT Asp CAT His GTT Val GGT Gly ध्य Val 776

466 TCC ATT GIC CAT His ACT Asn CCA AAC Pro CAT His CIT Leu GAT Asp GGT G_{1Y} TTG Len 4 Lys TAC GCA Ala



511 SA SA Glu AGC Ser GAA GTT . Glu Val GAA Circ TCG Ser Glu Leu GAA TTA orc Val ATT CAG GAT TTT GTT Ile Gln Asp Phe Val GAT ASp

556 SCC TTT CAA Gln CGT GAA GTA Glu Val TIC Phe TCG Ser ACA Thr TTC Leu Thr ATG ACA Met AAT ASTI GGI Gly GAA

601 TCA ATT TTG GAT CCA ATT Ser CTT GGT GGT ATT AAT CAT A GTC GTT Val AAT Asn

646 CAG GAT ACC Gln Asp Thr Ile Leu Asp Pro Ile TTC ATT GCT 1TG ACC Leu Thr Grr TCC GAT Ser Asp ' TTY Leu GTC GCT Ala Phe

691 AAA GTA TTG GCA CCA GCA TTC AAA AAA Lys Val Leu Ala Pro Ala Phe Lys Lys CGT GCA GAA ATG ACC Arg Ala Glu Met Thr GTA (

CAA <u>TAG</u>ACTTACACACAACATAACACTGTTATTT 743 Gln GAA TTG GAA CGA AAC AAC Slu Leu Glu Arg Asn Asn AAAAAAAAA 812

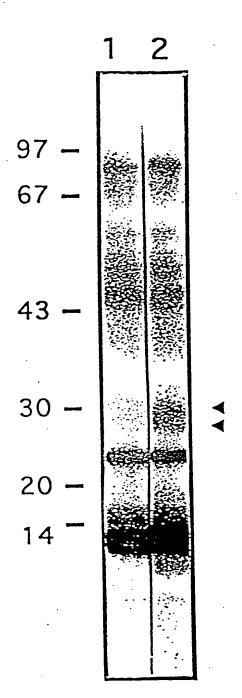


FIG. 4

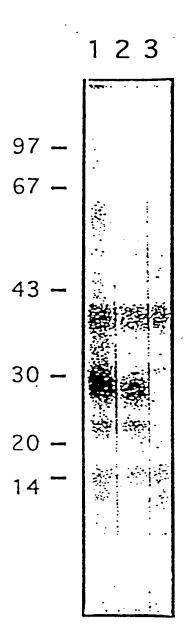


FIG.5

57	102	147	192	237	282	327	372
TTT TTG	ATT Ile	GAT Asp	aaa Lyb	GTG Val	gga Gly	GAA G1u	GAT Asp
AAA YY Lys PP	CCA	GAT Авр	ATG	ATT Ile	CGA Arg	GGT	gat Asp
ATG AN	GAT ABP	ATT	CCA	GGT	GCT	AAA Lys	CAC H.i.s
Met Me	GCT	GCT	gat Asp	GTT Val	gag Glu	CTC Val	GIT Va I
aaaa Me	TCG	AAA Lys	ATA Ile	CAT	ATT Ile	AAT	GGT
ቦ ሞልሮ <i>ነ</i>	GTT Val	AAC Asn	ACA Thr	CGT	AAC Abn	GCT	ATC Ile
ratc:	GCC Ala	ATC 11e	CAA GLu	GAA	CCA	GAT Asp	rre Leu
MCA	grc Val	CAA G Lu	TCC	TTC	ATG Met	$_{\rm GGT}$	TTG Leu
AAAA	TT. Phe	GAA Glu	CAA	aaa Lys	GCC Ala	CAA	CAT HLS
ICCA	GCA Ala	acc Thr	Gaa Glu	GAT ABD	TTA Leu	CGT Arg	GCT
ACA.A.	GTG Val	ATC Ile	ATT Ile	GCC	GAA Glu	AAA Lys	aaa Lys
aata	GCC	ааа Lyb	GCT Ala	CAT H18	GGT	ATG Met	GTT Val
ratc.	CCT	GAT ABP	GCT	GAT Asp	AAA Lys	CAA	ATT
GATCTTATATCAATACAATCCAAAAAAACATATCTTACAAAATG Met	ATT Ile	TAT Tyr	AlT Ile	CCT	TTC	AAA Lys	GGT Gly
GAT(TTC	CAC	GCC	GTA Val	gat Agp	TIG	GAG Glu

462

CTT Val

GTT

ATT CAA GAT TTT Ile Gln Asp Phe

ATT TCG GAT A

GTC Val

ACT CAT

ACC

CCA Pro

CAT His

417

TYT ASP Leu Ala TYT LYS Leu Gly Asp Leu

TCG ATG GAA 1 Sor Mot Glu 1

GTC

ATC

507	552	597	642	889	747	
ACA	GGT GLY	GTA Val	aaa Lys	CAA	ተተሞ	
ATG Met	ATT 11e	gat Asp	ACC	TAACCAA	AATT	
ACA Thr	CAT H18	TCT Ser	ATG Met	AAT Asn	ATAA	
ATA ACA Ile Thr	AAC	TTA Leu	gaa glu	AAA Lys	TAAA	
AAC	GTC Val	GTT Val	AAG Lys	GAA Glu	ACAA	
GGT Gly	GTT Val	GGC Gly	CGT	TTG	ACTG	
GAA Glu	AAT' Asn	TTT Phe	ACC GTA Thr Val	GAA	TTTC	
Gat' Asp	GCT	ATT Ile	ACC Thr	CGT	TCTA	
A ATT TCT GAT (TTC	CCA	GAC Abp	AAA CGT Lye Arg	AATC	
ATT	CAA Gln	сат Лвр	CAA	TTT Phe	GTAC	
SP	CGA Arg	TIG	TTC	GCA Ala	AACT	761
CTT	GTA Val	ATC Ile	ATT Ile	CCA	TTCC	ي
TCC	gaa Glu	TCA	GCT	GCA Ala	ATTT	TTCT
TTG	TTT Phe	CTT Lou	ACC	TTG	CATC	TTAT
GCC	TCT Ser	GGT	TTG Leu	GTA Val	TAGACATCATTTTCCAACTGTACAATCTCTATTTCACTGACAATAAAATTTTTT	ATTTTATTATTCTC 761
		_				

5 2.	27	94	69	133	108	172	147	. 211
TTTTTTTTTTTTTTTGGTTATTCCCATTTTTTTTTCATATCGTAAAATCCAAAT	GA.CATCAATA.CTC.AA	GCC	:	TAT Tyr	:	GAA Glu	T	CCA
ATCC	TC.A	GCT	•	CAC His	•	gat Asp	•	gat asp
AAAA	 	AII [10	•	CCA ATT Pro Ile	•		A 110	TTC
TCGI	aata	TTA TTG I	:	CCA Pro	:	AAC AAA GCT GTT ABN Lys Ala Val	:	ACA Tlir
CATA	H.	TTA	ຍ:	GCT GAT (Ala:Asp	•	AAA Lys	:	GAA AAA TCC GAA Glu Lys Ser Glu
TTT	C	TTA	T	GCT Ala:	•	AAC Asn	:	TCC
AŢŢŢ	GA.	AAA Lys	•	TCG	•	ACC GAA GAA ATT Thr Glu Glu Ile	ິ.	aaa Lyb
TCCÇ		ATG Met	•	GŤT Val	•	GAA Glu	:	GAA Glu
ттат		A'I'G Met	•	SCC Ala	:	GAA Glu	•	ATT Ile
Tres		CAA	.	rrr Grr (ပ :	ACC	:	GCA Ala
rrr		TTAC	•	rrr Phe	•	ATC Ile	:	GCT
TTT	•	TTT	.A.C	GCT	A :	AAA ATC A Lye ile 1	•	GTC Val
TTT		rcacttttttrccaa	AACA.A.CA.	GCA	.TG	GAT	•	GCC GTC GCT GCA ATT ALA VAL ALB ALB ILE
VII:	VII:	VII:	VII	vii:	VII:	VII:	VII	VIII
Dp \	v ja	o da	D£ V	v ďa	of v	o do	D£ 1	đ
						•		

186 250 225 289 264 328	303
CGA Arg	Val CA.
CGT (CGA	Arg
TTC GAA GPO GLU FINA GAC FINA GAA CC FINA GAA GAA CC FINA GAA GAA GAA GAA GAA GAA GAA GAA GAA G	Lys Arg Val
AAA TTC Lys Pho TAA TTA	Gln Met 1
AAA Lys Caa Glu	Gln
GAT ABD GGIY GGT GGIY	Lув
Gln Gln Ser Ser Ala AAA	ne o
CAT HIS TITA Fou Phc	G1y
GAT ASP GAT GAT ASP 1	Arg
CCC Property of the CCC CCC Property of the CCC CCC CCC CCC CCC CCC CCC CCC CCC C	val .c. Ala
GTA VAIL	6111 6.6 61u
A.T AAG GYA LYB VALA GGT ATC GIY IleT	ile :
Ile GLYB ATT GGT Ile GLYB GA Val	A3n
VII: VIII VIII	VII:
DP DP DP	ja

367	342	406	381	445	420	484	459	523
AAA Lyc	. :	TCA Ser	<u>د</u> :	CAT His	•	GTT Val	•	ATG Met
GTC Val	÷	GTT Val	ິ	CTT Leu	:	TTT Phe	•	AAT 1
GTT	A	GTT Val	A.C Ile	gat Asp	:	GAT Asp	•	GGT 7 GLY 2
GGT	•	GAC Asp	H :	GCT G1y	•	CAG	4	GAA C
GAT	or. Glu	gat Abp	•	TTG	•	ATT Ile	•	GAA Glu
GAA	•	CAT His	ະ:	aaa Lys	•	GAT ABD	•	AGC SOR
AGT Ser	G	GIT	•	TAC	:	TCG Ser	•	Grr
AAA	:	GGT	•	GCA Ala	•	ATT	•	GAA Glu
GTG Val		GTC Val	A	TTA Leu	•	Grc Val	:	CTC Len
AAT	•	TTC	•	GAT. Asp	•	CAT His	•	TCG
GCT	•	TTG Leu	•	TAT Tye	•	ACT Thr	•	TTA
gat Abp	•	CAT His	•	GAA Glu	•	AAC Aen	.c. Thr	GAA . Glu
GGT Gly	•	GCT Ala	:	ATG Met	•	CCA	•	GTC Val
VII:	VIII	VII:	VII	VII:	VII:	VIII	VII:	VII:
ďQ	Ja	ď	Df	. ďď	Df v	v ďď	D£ v	7 ග්ග
		• :						

498	562	537	601	576	640	615
CA	GTT Val	•	CCA ATT Pro Ile	•	CAG Glu	4 :
Ö	aat Asn	•	CCA	•	rrc Phe	•
•	CCC Ala	E4 .	gai' Asp	•	ATT Ile	•
•	TTT Phe	U	TTG	•	GCT ATT 1	•
ABP	CAA Gln	•	CTT TCA ATT Leu Ser Ile	ນ:	ACC	•
TCT	CGP	A :	TCA	•	Grr rrg	•
A	GAA GTA Glu Val	•	CIT	•	GTT Val	A :
:	GAA Glu	• •	GGT Gly	•	gat Asp	•
E4 •	TTC	Ħ:	GGT GGT Gly Gly	. :	TCC	E.
 	TCG	Ξ:	ATT Ile	•	TTA	•
T., 5., 5	ACA Thr	•	CAT Hir	•	GTC Val	E4 :
.CC Ala	TTG Leu	A Mot	AAT CAT ABN H18	ບ:	GCT GTC Ala Val	. GC Gly
T .CC Ala	ACA Thr	•	GTC Val	•	rrc Phe	Et :
DÉ VII:	VII:	VII:	VII:	VIII	VII:	VII
DÉ	ďq	DE	ď	Df	บับ	Df.

Figure 7E

ďQ	DP VII: GAT ACC GTA CGT CCA GAA ATG ACC AAA GTA TTG GCA CCA ASP Thr Val Arg Ala Glu Met Thr Lys Val Lou Ale Pro	GAT Asp	ACC	GTA Val	CGT Arg	CCA Ala	GAA	ATG Møt	ACC	AAA Lys	GTA Val	TTG	GCA	CCA	678
of	of VII:	ບ :	•	•	•	aag Lys	•	•	•	•	:	•	•	• •	654
ДD	VII: GCA TTC AAA AAA GAA TTG GAA CGA AAC AAC CAA <u>TAG</u> ACTT Ala Phe Lys Lys Glu Leu Clu Arg Asn Asn Gln	GCA	TTC Phe	AAA Lys	AAA Lys	GAA Glu	TTG	GAA Clu	cga Arg	AAC Asn	aac abn	CAA Gln	TAGA	CTT	715
D£	VII	•	EH :	•	CGT Arg	•	•	•	AA Lys	∺			AC . NA	5	389
, ďq	VIII	ACAC	ACAR	CATA	ACACACAACATAACACTGTTATTTTACACTGGATAATCAAATGAAATAA	TCLL	'ATTT	TTAC	ACTG	GATA	ATCA	aatg	AAAT	AAA	770
of.	Df VII: TAGACATCAT.TTTC.AAC.G.ACAAT.TATT.C.CTG.CAAT.A.T.	TAGA	CATC	.ΛΤ. I	TTC.	AAC.	G.AC	AAT.	H.	TT.C	.crg	.caa	TLA	E-	739
go	Dp VII: TTTTTTTATCATTTTGTTTAAAAAAAAAAAAAAAAAAAA	TTT	TTT	TCAT	TTTG	TTTA	AAAA	AAAA	AAAA	AAAA	AAAA	A.			812
D£	VII: AAATATTATCTCC	AAA.	H	ATT.	AT		ပ္ပ								761